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AMENDMENTS TO THE SPECIFICATION

Please amend the paragraph starting at page 4, line 24 (in the previously filed substitute specification) as follows.

C) In this invention various possibilities for the stabilization and control of the field emission current based on using of epitaxially grown whiskers are proposed. By whisker growing, the ratio V_{a1}/d can implemented as 5-10 and more times. In addition, with the whisker grown field emitters broad possibility for shape variation and creation of the control electrodes can be realized. In particular, a design with step-shaped emitter is proposed Fig. 4c.